

Series 765

Bidirectional Slurry Valve



 **Bray**

2"-12" (50-300mm) 90psi (6.2bar)

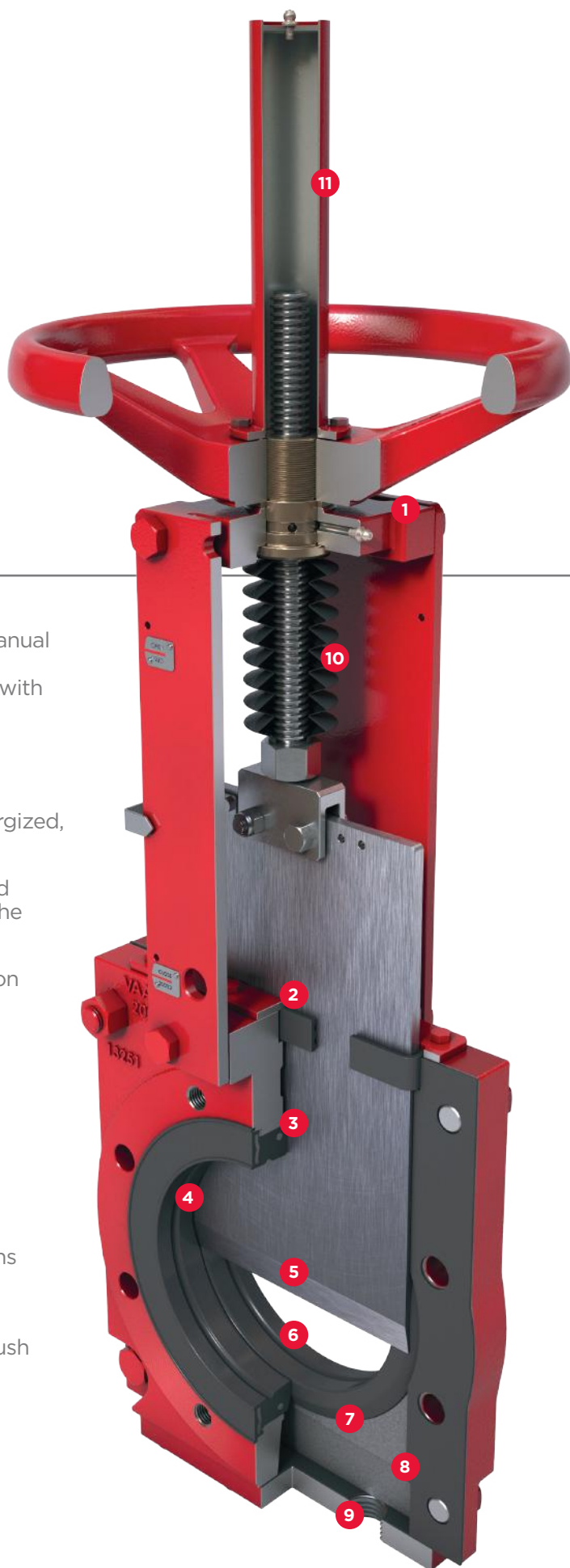
Series 765

Bidirectional Slurry Valve

The Bray Series 765 is a bidirectional slurry valve, designed for demanding slurry applications. Twin elastomer seats and push-through gate design facilitate self-cleaning and prevent media build up.

The durable ductile iron body is offered in a compact wafer style. When fully open, the valve bore offers no resistance to line media.

- 1 Designed for easy, quick conversion between manual and pneumatic actuation. Featuring a lubricant injection port for continuous, smooth operation with minimal maintenance.
- 2 Secondary wiper seal extends gate life and prevents discharge from top of valve.
- 3 Metal-reinforced, elastomer sleeves provide energized, zero leakage shutoff in both directions.
- 4 In the open position, the energized sleeves shield all metal components from direct contact with the flowing process media.
- 5 Robust gate available in a wide range of corrosion resistant alloys to suit the application.
- 6 Unrestricted flow path with minimal pressure drop achieved through full port valve design for extended sleeve life.
- 7 Ample clearance for push-through allows complete gate closure.
- 8 Compact wafer body allows for easy installation and is drilled and tapped to ASME B16.5 CL150 flange patterns as standard. Other drilling options available upon request.
- 9 Drain plate with tapped purge ports is optional, allowing for safe discharge of media and easy flush water connection.
- 10 Protective rod boot/stem cover is standard on all sizes.
- 11 Upper stem protection is standard on all sizes.



Standard Construction

Body	Ductile Iron
Gate	304
Seat	Natural Rubber
Stem	304
Wiper Support	Carbon Steel
Wiper	EPDM
Topworks	Steel

Gate Options

316 Stainless Steel
317 Stainless Steel
SAF 2507 Duplex
SAF 2205 Duplex
17-4PH Stainless Steel
Hastelloy® C
Monel®

Actuator Options

Direct Mounted
Handwheel - Standard (2"-10")
Bevel Gear - Standard (12")
Pneumatic
Hydraulic
Electric

Seat Options

Nat. Rubber	-60°-165°F/-51°-74°C
EPDM	-65°-248°F/-54°-120°C

Additional material options may be available upon request. Consult factory for availability.

Specifications & Standards

Size Range	2" to 12" (50 - 300mm)
Pressure Rating	90psi (6.2bar)
Body Style	Two-piece bolted (Wafer)

Design	Manufacturer Standard
Testing	Manufacturer Standard
Face-to-face	MSS SP-81
Certification	Canadian CRN
Drilling*	ASME B16.5 CL150

*Additional drilling options available. Consult factory for availability.

Dimensions

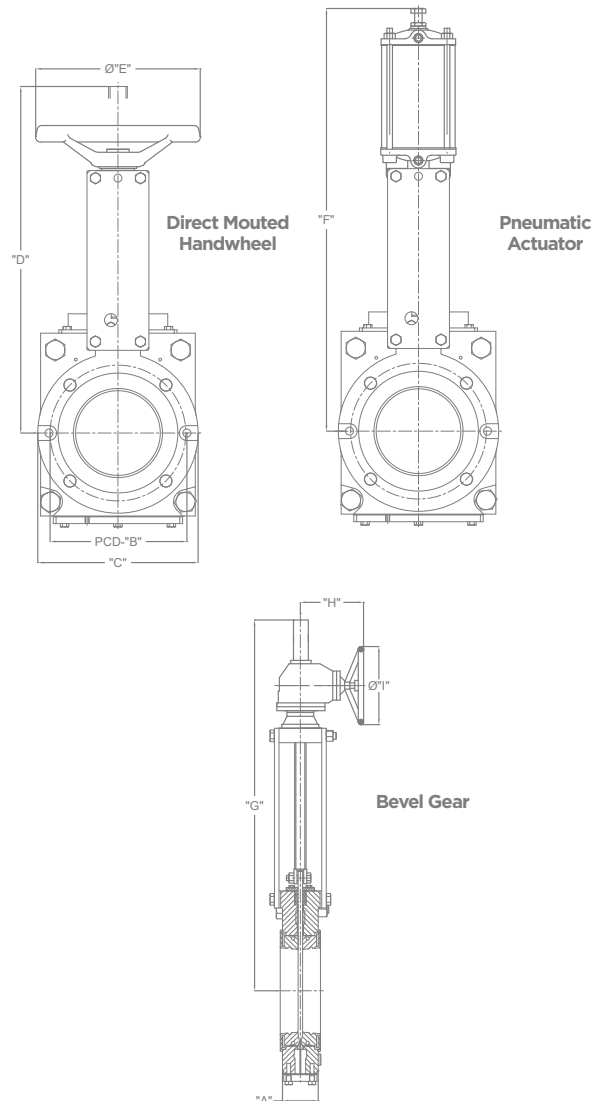
In. (mm)	A	B	C	D	E	F	G	H	I
2 (50)	2.13 54	4.76 121	6.50 165	20.67 525	11.77 299	19.88 505	--	--	--
3 (80)	2.24 57	6.02 153	7.87 200	23.62 600	11.77 299	27.56 700	--	--	--
4 (100)	2.24 57	7.50 191	9.06 230	27.17 690	11.77 299	30.91 785	--	--	--
6 (150)	2.52 64	9.50 241	11.22 285	33.07 840	15.98 406	39.17 995	34.65 880	11.65 296	20.00 508
8 (200)	2.99 76	11.75 299	13.58 345	38.19 970	20.00 508	51.57 1310	46.85 1190	12.05 306	20.00 508
10 (250)	2.99 76	14.25 362	15.94 405	44.88 1140	20.00 508	51.57 1310	46.85 1190	12.05 306	20.00 508
12 (300)	3.27 83	17.01 432	19.09 485	--	--	59.76 1518	52.56 1335	12.05 306	20.00 508

¹Dimensions are approximate and subject to change. Consult factory for certified drawings.
²Face-to-face mentioned above are installed dimensions, add 1/4" to 1/2" (6mm to 13mm) for ease of installation.

Weights

Size	in mm	2 50	3 80	4 100	6 150	8 200	10 250	12 300
HANDWHEEL	lb kg	40 18	47 21.5	64 29	95 43	172 78	214 97	--
PNEUMATIC ACTUATOR	lb kg	62 28	77 35	93 42	123 56	265 120	302 137	463 210
GEAR OPERATOR	lb kg	--	--	--	--	--	265 120	320 145

¹Consult factory for hydraulic and electric actuators dimensions.



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